

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known	
	Application Number	10/691,133
	Filing Date	October 22, 2003
	First Named Inventor	Ernest C. Chen
	Art Unit	2638
	Examiner Name	Emmanuel Bayard
Sheet 1 of 4	Attorney Docket Number	PD-202129

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
EB		US-6,718,184	04-2004	Aiken et al.	
		US-5,819,157	10-1998	Ben-Efraim et al.	
		US-5,999,793	12-1999	Ben-Efraim et al.	
		US-6,297,691	10-2001	Anderson et al.	
		US-6,501,804	12-2002	Dietmar et al.	
		US-6,745,050	06-2004	Forsythe et al.	
		US-6,718,184	04-2004	Aiken et al.	
		US-5,625,640	04-1997	Palmer et al.	
		US-6,597,750	07-2003	Knutson et al.	
		US-6,433,835	08-2002	Hartson et al.	
		US-4,800,573	01-1989	Cupo, Robert L.	
		US-6,266,534	07-2001	Raith et al.	
		US-5,467,197	11-1995	Hoff, Don G.	
		US-6,574,235	06-2003	Arsilan et al.	
		US-5,430,770	07-1995	Abbey	
		US-5,966,412	10-1999	Ramaswamy	
		US-5,329,311	07-1994	Ward et al.	
EB		US-5,450,623	09-1995	Yokoyama et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
EB		EP 0929164	07-1999	Societe Europeene des Satellites	
EB		WO 02/073817	09-2002	Nokia Corporation	
EB		EP 0356096	02-1990	Meyers	
EB		EP 0238822	09-1987	NEC Corporation	

Examiner Signature	/Emmanuel Bayard/ (06/16/2006)	Date Considered	
--------------------	--------------------------------	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known	
	Application Number	10/691,133
	Filing Date	October 22, 2003
	First Named Inventor	Ernest C. Chen
	Art Unit	2638
	Examiner Name	Emmanuel Bayard
Sheet 2 of 4	Attorney Docket Number	PD-202129

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
EB		US-5,966,186	10-1999	Shigihara et al.	
		US-6,028,894	02-2000	Oishi et al.	
		US-6,032,026	02-2000	Seki et al.	
		US-6,034,952	03-2000	Dohi et al.	
		US-6,108,374	08-2000	Balachandran et al.	
		US-6,140,809	10-2000	Doi	
		US-6,219,095	04-2001	Zhang et al.	
		US-4,039,961	08-1977	Ishio et al.	
		US-6,275,678	08-2001	Bethscheider et al.	
		US-3,383,598	05-1968	Sanders	
		US-5,577,087	11-1996	Furuya	
		US-5,602,868	02-1997	Wilson	
		US-5,815,531	09-1998	Dent	
		US-5,960,040	09-1999	Cai et al.	
		US-6,987,068	11-1999	Cassia et al.	
		US-5,199,047	03-1993	Koch	
		US-5,088,110	02-1992	Bonnerot et al.	
		US-4,847,864	07-1989	Cupo	
		US-4,709,374	11-1987	Farrow	
		US-4,594,725	06-1986	Desperben et al.	
		US-4,519,084	05-1985	Langseth	
		US-4,416,015	11-15-1983	Gitlin	
		US-4,384,355	05-1983	Werner	
		US-4,213,095	07-1980	Falconer	
		US-3,974,449	08-1976	Falconer	
EB		US-RE 31,351	08-1983	Falconer	

Examiner Signature	/Emmanuel Bayard/ (06/16/2006)	Date Considered	
-----------------------	--------------------------------	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known	
	Application Number	10/691,133
	Filing Date	October 22, 2003
	First Named Inventor	Ernest C. Chen
	Art Unit	2638
	Examiner Name	Emmanuel Bayard
Sheet 3 of 4	Attorney Docket Number	PD-202129

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
EB		US-6,429,740	08-2002	Nguyen et al.	
		US-6,166,601	12-2000	Shalom et al.	
		US-5,966,048	10-1999	Thompson	
		US-5,606,286	02-1997	Bains	
		US-5,221,908	06-1993	Katz et al.	
		US-4,918,708	04-1990	Pottinger et al.	
		US-4,878,030	10-1989	Vincze	
		US-4,670,789	06-1987	Plume	
		US-4,647,873	03-1987	Beckner et al.	
		US-4,628,507	12-1986	Otani	
		US-4,500,984	02-1985	Shimbo et al.	
		US-4,283,684	08-1981	Satoh	
EB		US-4,068,186	01-1978	Sato et al.	

Examiner Signature	/Emmanuel Bayard/ (06/16/2006)	Date Considered	
-----------------------	--------------------------------	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

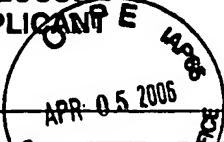
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known	
	Application Number	10/691,133
	Filing Date	October 22, 2003
	First Named Inventor	Ernest C. Chen
	Art Unit	2638
	Examiner Name	Emmanuel Bayard
Sheet 4 of 4	Attorney Docket Number	PD-202129

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
EB		JANSSEN, G.J.M.; SLIMANE, S.B.: "Performance of a Multiuser Detector for M-PSK Signals Based on Successive Cancellation", ICC 2001, 2001 IEEE International Conference on Communications, Conference Record, Helsinki, Finland, June 11-14, 2001, XP010552960	
		SLIMANE, S.B.; JANSSEN, G.J.M.: "Power Optimization of M-PSK Cochannel Signals for a Narrowband Multiuser Detector", 2001 IEEE Pacific Rim Conference on Communications, Computer and Signal Processing, Victoria, B.C., Canada, August 26-28, 2001, XP010560334	
		SOONG, A.C.K.; KRZYMIEN, W.A.: "Performance of a Reference Symbol Assisted Multistage Successive Interference Cancelling Receiver in a Multicell CDMA Wireless System", Conference Record, Communication Theory Mini-Conference GlobeCom '95, IEEE Singapore 13-17 November 1995, XP010159490	
		ARSLAN, H; MOLNAR, K: "Iterative Co-channel Interference Cancellation in Narrowband Mobile Radio Systems", Emerging Technologies Symposium: Broadband, Wireless Internet Access, 2000 IEEE April 10-11, 2000, Piscataway, New Jersey, US, XP010538900	
		MAZZINI, GIANLUCA: "Power Division Multiple Access", Universal Personal Communications, 1998, ICUPC 1998, IEEE 1998, International Conference on Florence, Italy, 5-9 October 1998, New York, NY, US, IEEE, US 5 October 1998 (1998 10-5), pages 543-546, XP010314962 ISBN: 0-7803-5106-1	
		SALEH, A.A.M. et al.: "Adaptive Linearization of Power Amplifiers in Digital Radio Systems", Bell System Technical Journal, American Telephone and Telegraph Co., New York, US, Vol. 62, No. 4, Part 1, 1 April 1983 (1983-04-01), pages 1019-1033, XP002028354	
EB		RAMCHANDRAN, KANNAN et al.: "Multiresolution Broadcast for Digital HDTV Using Joint Source/Channel Coding, IEEE, Vol. 11, No. 1, January 1993, pp. 6-22	

Examiner Signature	/Emmanuel Bayard/ (06/16/2006)	Date Considered	
--------------------	--------------------------------	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*Substitute for forms PTO/SB/08A and PTO/SB/08B INFORMATION DISCLOSURE STATEMENT BY APPLICANT 	Complete if Known	
	Application Number	10/691,133
	Filing Date	October 22, 2003
	First Named Inventor	Ernest C. Chen
	Art Unit	2638
	Examiner Name	BAYARD, Emmanuel
	Attorney Docket Number	PD-202129
Sheet 1 of 2		

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
EB		US-5,603,084	02-1997	Henry et al.	
		US-6,389,002	05-2002	Schilling, Donald L.	
		US-6,178,158	01-2001	Suzuki et al.	
		US-6,731,700	05-2004	Yakhnich et al.	
		US-6,411,797	06-2002	Estinto, Eugene	
		US-2002/0071506	06-2002	Lindquist et al.	
		US-2004/0110467	06-2004	Wang, Arthur W.	
		US-6,535,801	03-2003	Geier et al.	
		US-6,325,332	12-2001	Cellier et al.	
		US-6,052,586	04-2000	Karabinis, Peter D.	
		US-5,995,832	11-1999	Mallinckrodt, Albert J.	
		US-2005/008100	01-2005	Chen, Ernest C.	
		US-2002/176516	11-2002	Jeske et al.	
		US-6,304,594	10-2001	Salinger, Sheldon Norman	
		US-5,579,344	11-1996	Namekata, Minoru	
		US-5,121,414	06-1992	Levine et al.	
		US-6,144,708	11-2000	Maruyama, Hidenori	
		US-6,055,278	04-2000	Ho et al.	
EB		US-6,330,336	12-2001	Kasama, Minoru	

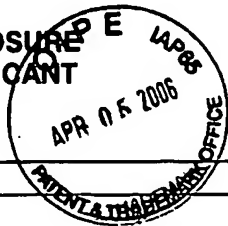
FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
EB		WO 99/20001	04-1999	Silberger et al.		

Examiner Signature	/Emmanuel Bayard/ (06/16/2006)	Date Considered	
--------------------	--------------------------------	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*Substitute for forms PTO/SB/08A and PTO/SB/08B INFORMATION DISCLOSURE STATEMENT BY APPLICANT Sheet 2 of 2	Complete if Known	
	Application Number	10/691,133
	Filing Date	October 22, 2003
	First Named Inventor	Ernest C. Chen
	Art Unit	2638
	Examiner Name	BAYARD, Emmanuel
	Attorney Docket Number	PD-202129



U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
--------------------	----------	-------------------------------------	--------------------------------	----------------------------------------------------	---------------------------------------------------------------------------------------

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
EB		FANG, T. et al.; "Fourth-Power Law Clock Recovery with Prefiltering", Proceedings of the International Conference on Communications (ICC), Geneva, May 23-26, 1993, New York, IEEE, US, Vol. 3, May 23, 1993, pages 811-815, XP010137089, ISBN:0-7803-0950-2, Section I, Introduction	
EB		MEYR, HEINRICH et al.; "Digital Communication Receivers – Synchronization, Channel Estimation, and Signal Processing"; John Wiley & Sons, Inc.; 1998; pages 212-213 and 217-218; XP 002364874	
EB		MEYR, HEINRICH et al.; "Digital Communication Receivers – Synchronization, Channel Estimation, and Signal Processing"; John Wiley & Sons, Inc.; 1998; pages 610-612; XP 002364876	

Examiner Signature	/Emmanuel Bayard/ (06/16/2006)	Date Considered	
--------------------	--------------------------------	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.